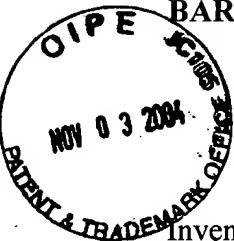


11-04-04

AF 1632
STW
A

BARNES & THORNBURG

P.O. Box 2786
Chicago, Illinois 60603
(312) 357-1313
(312) 759-5646 Fax



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: Brad Bosworth and Peter Vögeli)
Serial No.: 09/844,268)
Attorney Docket No. 21419/91513)
Filing Date: April 27, 2001)
Title: COMPOSITIONS TO IDENTIFY SWINE)
GENETICALLY RESISTANT TO F18 *E. COLI*)
ASSOCIATED DISEASES)

Certificate Under 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited with
the United States Postal Service as Express Mail No. EV
607230424 US in an envelope addressed to Commissioner for
Patents, P.O. Box 1450, Alexandria, VA 22313-1450

on November 3, 2004


(Signature)

Alice O. Martin
(Printed Name)

AMENDMENT AND RESPONSE TO OFFICE ACTION MAILED
SEPTEMBER 23, 2004

Mail Stop Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action mailed on September 23, 2004, applicants' request that
the following amendments are entered and the following remarks are considered.

Amendments to the Claims are reflected in the listing of claims which begins on page 2
of this paper.

Remarks/Arguments begin on page 3 of this paper.